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/		US-5,068,252	11/26/91	Chandraratna	
		US-5,089,509	02/18/92	Chandraratna	
		US-4,723,028	02/02/88	Shudo	
		US-4,326,055	04/20/82	Loeliger	

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Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
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		Country Code³-Number⁴-Kind⁵ (if known)				
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OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T <sup>2</sup>	
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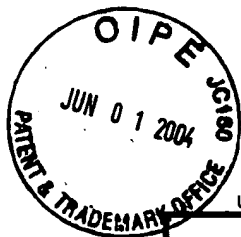
### REMARKS

Submission of the foregoing document is no representation that a search was made, or if made, that it was comprehensive, or that no other documents exist which may be material to the above-identified application. Moreover, the Applicant does not concede that the foregoing document is necessarily prior art to the invention.

Date: May 26, 2004

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STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet **1** of **10****Complete if Known**

Application Number	10731,448
Filing Date	12/09/03
First Named Inventor	Johnson, et al
Art Unit	1625
Examiner Name	Aulakh, Charanjit
Attorney Docket Number	600 120DIV 5

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		US-4,723,028	02/02/88	Shudo	
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				Applicant Number	10/731,448
				Filing Date	12/09/03
				First Named Inventor	Johnson, et al
				Group Art Unit	1625
				Examiner Name	Aulakh, Charanjit
Sheet	2	of	10	Attorney Docket Number	600 120DIV 5

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T <sup>2</sup>
		A General Synthesis of Terminal and Internal Arylalkynes by the Palladium-Catalyzed Reaction of Alkynylzinc Reagents with Aryl Halides by Anthony O. King and Ei-ichi, Negishi.	<input type="checkbox"/>
		Conversion of Methyl Ketones into Terminal Acetylenes and (E)-Tri-substituted Olefins of Terpenoid Origin by Ei-ichi, et al., <u>J. Org. Chem.</u> , (1980) 45/12:p.2526.	<input type="checkbox"/>
		Sporn et al, in <u>J. Amer. Acad. Derm.</u> , (1986) 15:756-765	<input type="checkbox"/>
		"A Convenient Synthesis of Ethynylarenes and Diethynylarenes" by S. Takahashi et al. <u>Synthesis</u> (1980) p.627-630.	<input type="checkbox"/>
		Shudo et al. in <u>Chem. Phar. Bull.</u> , (1985) 33: 404-407	<input type="checkbox"/>
		Chemistry and Biology of Synthetic Retinoids by Marcia I. Dawson and William H. Okamura, published by CRC Press Inc., 1990, p.334-335,354.	<input type="checkbox"/>
		Synthesis of 2,2'-Diacyl-1,1' Biaryls, Regiocontrolled Protection of...by Mervic et al, <u>J. Org. Chem.</u> , (1980) No. 45, p.4720-4725.	<input type="checkbox"/>
		A Dopamine Receptor Model and Its Application in the Design of a New Class of Rigid Pyrrolo[2,3-g]isoquinoline Antipsychotics. Gary L. Olson et al. American Chemical Socioto, (1981) 24/9:1026-1031.	<input type="checkbox"/>
		6,2,3 Conformational Restriction, Williams, et al., <u>Drug Discovery and Development</u> , The Humana Press, (1987) pp.54-55.	<input type="checkbox"/>
		Davis et al. <u>J. Organometallic Chem</u> (1990) 387:381-390.	<input type="checkbox"/>

Examiner Signature		Date Considered	
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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet **3** of **10****Complete if Known**

Application Number	<b>10/731,448</b>
Filing Date	<b>12/09/03</b>
First Named Inventor	<b>Johnson, et al.</b>
Art Unit	<b>1625</b>
Examiner Name	<b>Aulakh, Charanjit</b>
Attorney Docket Number	<b>600 120DIV 5</b>

**U.S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
		US-5,130,335	07/14/92	Chandraratna	
		US-5,134,159	07/28/92	Chandraratna	
		US-4,391,731	07/05/93	Boller et al	
		US-5,037,825	08/06/91	Chandraratna	
		US-5,162,546	11/10/92	Chandraratna	
		US-5,175,185	12/29/92	Chandraratna	
		US-5,183,827	02/02/93	Chandraratna	
		US-5,202,471	04/13/93	Chandraratna	
		US-5,231,113	07/27/93	Chandraratna	
		US-5,234,926	08/10/93	Chandraratna	
		US-5,264,456	11/23/93	Chandraratna	
		US-5,264,578	11/23/93	Chandraratna	
		US-5,248,777	09/28/93	Chandraratna	
		US-5,272,156	12/21/93	Chandraratna	
		US-4,927,947	05/22/90	Chandraratna	
		US-5,278,318	01/11/94	Chandraratna	
		US-5,324,744	06/28/94	Chandraratna	
		US-5,324,840	06/28/94	Chandraratna	
		US-5,326,898	07/05/94	Chandraratna	
		US-4,826,984	05/02/89	Berlin et al	

**FOREIGN PATENT DOCUMENTS**

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		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind <sup>5</sup> (if known)				
		0,176,032	04/02/86			
		0,176,033	04/02/86			
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		0,303,915	02/22/89			
		0,315,071	05/19/89			
		2,190,378	11/18/87			
		3,316,932	11/17/83			
		3,524,199	01/16/86			
		3,715,955	11/26/87			
		92/06948	04/30/92			

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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(use as many sheets as necessary)</i>				<b>Complete if Known</b>	
				Applicant Number	10/731,448
				Filing Date	12/09/03
				First Named Inventor	Johnson, et al
				Group Art Unit	1625
				Examiner Name	Aulakh, Charanjit
Sheet	4	of	10	Attorney Docket Number	600 120DIV 5

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
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		Kagechika et al, in <u>J. Med. Chem.</u> , (1988) 31:2181-2192.	<input type="checkbox"/>
		"Effects of 13-Cis-Retinoic Acid, All Trans-Retinoic Acid, and Acitretin on the Proliferation, Lipid Synthesis and Keratin Expression of Cultured Human Sebocytes in Vitro" C.C. Zouboulis, <u>The Journal of Investigative Dermatology</u> , (1991) 96/5:792-797.	<input type="checkbox"/>
		"Organ Maintenance of Human Sebaceous Glands: in Vitro Effects of 13-Cis Retinoic Acid and Testosterone" John Ridden, et al., <u>Journal of Cell Science</u> (1990) 95:125-136.	<input type="checkbox"/>
		"Characterization of Human Sebaceous Cells in Vitro" Thomas I. Doran, et al, <u>The Journal of Investigative Dermatology</u> , (1991) 96/3.	<input type="checkbox"/>
		"Synthesis and Evaluation of Stilbene and Dihydrostilbene Derivateives as Potential Anticancer Agents That Inhibit Tubulin Polymerization" by Cushman, Mark et al.	<input type="checkbox"/>
		<u>J. Med. Chem.</u> , (1991), 34:2579-2588.	<input type="checkbox"/>
		"Synthesis and Evaluation of New Pretocin Tyrosine Kinase Inhibitors, Part 1, Pyridine-Containing Stilbenes and Amides" by Cushman, Mark et al. <u>Bioorganic &amp; Medicinal Chemistry Letters</u> , (1991) 1/4:211-214.	<input type="checkbox"/>
		"Di- and Tri-methoxystyryl Derivatives of Heterocyclic Nitrogen Compounds" by Bahner, C.T. et al. <u>Arzneim-Forsch./ Drug Res</u> , (1981) 31 (I), Nr.3.	<input type="checkbox"/>
		"Retinobenzoic acids, 3, Structure-Activity Relationships of Retinoidal Azobenzene-4-Carboxylic Acids and Stilbene-4-Carboxylic Acids" by H. Kagechika et al., <u>Journal of Medicinal Chemistry</u> , (1989), 32:1098-1108.	<input type="checkbox"/>
		Eyrolles, L. et al " Retinoid Antagonists: Molecular Design Based on the Ligand Superfamily Concept" <u>Med. Chem. Res</u> (1992) 2: 361-367.	<input type="checkbox"/>

Examiner Signature		Date Considered	
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Substitute for form 1449A/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(Use as many sheets as necessary)</i>			<b>Complete if Known</b>		
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			Filing Date	12/09/03	
			First Named Inventor	Johnson, et al	
			Art Unit	1625	
			Examiner Name	Aulakh, Charanjit	
Sheet	5	of	10	Attorney Docket Number	600 120DIV 5

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number Number-Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		US-5,344,959	09/06/94	Chandraratna	
		US-5,346,895	09/13/94	Chandraratna	
		US-5,346,915	09/13/94	Chandraratna	
		US-5,348,972	09/20/94	Chandraratna	
		US-5,348,975	09/20/94	Chandraratna	
		US-5,349,105	09/20/94	Chandraratna	
		US-5,354,752	10/11/94	Chandraratna	
		US-5,380,877	01/10/95	Chandraratna	
		US-5,391,753	02/21/95	Chandraratna	
		US-5,399,561	03/21/95	Chandraratna	
		US-5,399,586	03/21/95	Davies et al	
		US-5,407,937	04/18/95	Chandraratna	
		US-5,414,007	05/09/95	Chandraratna	
		US-5,426,118	06/20/95	Chandraratna	
		US 5,434,173-	07/18/95	Chandraratna	
		US-5,451,605	09/19/95	Chandraratna et al	
		US-5,455,265	10/03/95	Chandraratna	
		US-5,468,879	11/21/95	Chandraratna	
		US-5,470,999	11/28/95	Chandraratna	
		US-5,475,022	12/12/95	Chandraratna	

FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document Country Code <sup>2</sup> -Number <sup>3</sup> -Kind <sup>4</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		1,70,05A			
		3,602,473	07/30/87		
		0,661,259	05/07/95		
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		0,284,261	09/28/88		
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		0,412,387	02/13/91		
		0,617,020	09/28/94		
		0,661,258	07/05/95		
		0,661,261	07/05/95		

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Sheet

6

of

10

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Applicant Number	10/731,448
Filing Date	12/09/03
First Named Inventor	Johnson, et al
Group Art Unit	1625
Examiner Name	Aulakh, Charanjit
Attorney Docket Number	600 120DIV 5

**OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS**

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		Liu, S.S. et al. "Systemic Pharmacokinetics of Acetylenic Retinoids in Rats," <u>Drug Metabolism and Disposition</u> , (1990) 18/6: 1071-1077.	<input type="checkbox"/>
		CHEMICAL ABSTRACTS, vol. 122, no. 13, 27 March 1995 abstract no. 151372m, (S.KAKU et al.)	<input type="checkbox"/>
		CHEMICAL ABSTRACTS, vol. 117, no.13,28 September 1992 abstract no. 124091 j, (S.SUN et al.)	<input type="checkbox"/>
		EUROPEAN JOURNAL OF BIOCHEMISTRY, vol.212, no. 1, 1993, BERLIN, pages 13-26, XP000618300 (S. KEIDEL et al.)	<input type="checkbox"/>
		JOURNAL OF MEDICAL CHEMISTRY, vol. 39, no. 16,2 August 1996, pages 3035-3038, MIN TENG ET AL.	<input type="checkbox"/>
		JOURNAL OF MEDICAL CHEMISTRY, vol. 37, no. 10,13 May 1994, pages 1508-1517, LAURENCE EYROLLES	<input type="checkbox"/>
		BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMUNICATIONS, vol.155 no. 1, 1988, pages 503-508.	<input type="checkbox"/>
		CHEMICAL ABSTRACTS, vol. 121, no.9, 1994.	<input type="checkbox"/>
		DATABASE WPI, Section CH, Week 9416, Derwent Publications Ltd. London, GB; Class B05, AN 94-128759 and J{ 6078266A, see English language abstract in DERWENT.	<input type="checkbox"/>
		JOURNAL OF MEDICINAL CHEMISTRY, VOL. 38, NO. 16, 4 August, 1995, pages 3163-73.	<input type="checkbox"/>

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Sheet **7** of **10****Complete if Known**

Application Number	10/731,448
Filing Date	12/09/03
First Named Inventor	Johnson, et al
Art Unit	1625
Examiner Name	Aulakh, Charanjit
Attorney Docket Number	600 120DIV 5

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		US-5,475,113	12/12/95	Chandraratna	
		US-5,489,584	02/06/96	Vuligonda et al	
		US-5,498,755	03/12/96	Chandraratna et al	
		US-5,498,795	03/12/96	Song et al	
		US-5,514,825	05/07/96	Vuligonda et al	
		US-5,516,904	5/14/96	Chandraratna	
		US-5,534,516	07/09/96	Chandraratna	
		US-5,534,641	07/09/96	Song et al	
		US-5,546,534	08/06/96	Vuligonda et al	
		US-5,556,996	09/17/96	Beard et al	
		US-5,591,858	01/07/97	Vuligonda et al	
		US-5,523,457	06/04/96	Starrett, Jr. et al	
		US-5,559,248	09/24/96	Starrett, Jr. et al	
		US-5,599,967	02/04/97	Vuligonda et al	
		US-5,602,130	02/11/97	Chandraratna	
		US-5,602,135	02/11/97	Chandraratna	
		US-5,605,915	02/25/97	Vuligonda et al.	
		US-5,616,597	04/01/97	Chandratana	
		US-5,616,712	04/01/97	Teng et al.	
		US-5,618,836	04/08/97	Chandratana	

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		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind <sup>5</sup> (if known)				
		0,617,020	28/09/94			
		0,619,116	12/10/94			
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		0,718,285	26/08/96			
		93/11755	24/06/93			
		95/04036	09/02/95			
		96/05165	22/02/96			
		93/03713	04/03/93			
		0,514,269	19/11/92			
		0,478,787	03/10/91			

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				Group Art Unit	1625
				Examiner Name	Aulakh, Charanjit
Sheet	8	of	10	Attorney Docket Number	600 120DIV 5

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		Weiner, et al., "A phase I trial of topically applied trans-retinoic acid in cervical dysplasia-clinical efficacy," <u>Investigational New Drugs</u> , 4:241-244, 1996.	<input type="checkbox"/>
		Jones, et al., "A dose-response study of 13-cis-retinoic acid in acne vulgaris," <u>British Journal of Dermatology</u> , (1983) 108, 333-343.	<input type="checkbox"/>
		Fekrat, et al., "The Effect of Oral 13-cis-retinoic Acid on Retinal Redetachment after Surgical Repair in Eyes with Proliferative Vitreoretinopathy," <u>Ophthalmology</u> , vol. 102, No. 3 (March 1995), pp.412-418.	<input type="checkbox"/>
		Nagpal, et al., "Separation of Transactivation and AP1 Antagonism Functions of Retinoic Acid Receptor $\alpha$ ," <u>The Journal of Biological Chemistry</u> , 270/2(1995): 923-927.	<input type="checkbox"/>
		Allegretto, et al., "Transactivation Properties of Retinoic Acid and Retinoid X Receptors in Mammalian Cells and Yeast," <u>The Journal of Biological Chemistry</u> , Vol. 268, No.35 (Dec. 15, 1993), pp. 26625-26633.	<input type="checkbox"/>
		Gruapner, et al., "6'-Substituted Naphthalene-2-Carboxylic Acid Analogs, A New Class or Retinoic Acid Receptor Subtype-Specific Ligands," <u>Biochemical and Biophysical Communications</u> , Vol. 179, No. 3 (Sept. 30, 1991), pp.1554-1561.	<input type="checkbox"/>
		Moore et al., "Retinoic Acid and Interferon in Human Cancer: Mechanistic and Clinical Studies," <u>Seminars in Dermatology</u> , 31/4, Suppl 5 (Oct. 1994), pp.31-37.	<input type="checkbox"/>
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Substitute for form 1449A/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(Use as many sheets as necessary)</i>				<b>Complete if Known</b>	
				Application Number	10/731,448
				Filing Date	12/09/03
				First Named Inventor	Johnson, et al
				Art Unit	1625
				Examiner Name	Aulakh, Charanjit
				Attorney Docket Number	600 120DIV 5
Sheet	9	of	10		

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number Number-Kind Code* (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		US-5,618,931	04/08/97	Beard et al.	
		US-5,618,943	04/08/97	Vuligolanda et al.	
		US-5,420,145	05/30/95	Shudo	
		US-5,354,776	10/11/94	Chandratana	
		US-4,539,154	09/03/85	Krebs	
		US-5,466,861	11/14/95	Dawson et al.	
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		US-4,923,884	05/08/90	Chandraratna	
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		US-5,654,469	08/05/97	Vuligonda et al.	
		US-5,663,347	09/02/97	Chandraratna	
		US-5,663,357	09/02/97	Teng et al.	
		US-5,663,367	09/02/97	Vuligonda et al.	
		US-5,672,710	09/30/97	Beard et al.	
		US-5,675,024	10/07/97	Teng et al.	
		US-5,675,033	10/07/97	Vuligonda et al.	
		US-5,677,320	10/14/97	Chandraratna	
		US-5,677,323	10/14/97	Chandraratna	
		US-5,677,451	10/14/97	Chandraratna	

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<b>Examiner Signature</b>		<b>Date Considered</b>	
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<sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST 3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

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[illegible][illegible]

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